

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND APPARATUS FOR MAINTAINING A MAP OF NODE

RELATIONSHIPS FOR A NETWORK

the specification of which (check one)

☒ [X] is attached hereto.

☐ [] was filed on _____ as United States Application

Number or PCT International Application No. _____

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority</u> <u>Not</u> <u>Claimed</u>	<u>Certified</u> <u>Copy Filed?</u>	
				<u>YES</u>	<u>NO</u>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/177,985</u>	<u>January 25, 2000</u>
(Application Number)	(Filing Date)

_____ (Application Number)	_____ (Filing Date)
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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states:

Barry W. Chapin, Esq.	Reg. No. 39,934
David E. Huang, Esq.	Reg. No. 39,229
J. Scott Southworth, Esq.	Reg. No. 39,382

all of Chapin & Huang, L.L.C., Westborough Office Park, 1700 West Park Drive, Westborough, MA 01581

and _____
to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to: Barry W. Chapin, Esq.

Chapin & Huang, L.L.C. Westborough Office Park, 1700 West Park Drive, Westborough, MA 01581

Direct telephone calls to: Barry W. Chapin, Esq. Telephone No.: 508-366-9600

Direct facsimiles to: Barry W. Chapin, Esq. Facsimile No.: 508-616-9805

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor or

first joint inventor James O Toole

Inventor's Signature

Date 12/28/2000

Residence 15 Munroe Street

Somerville, Massachusetts 02143

Citizenship United States of America

Post Office Address Same as above

inventor, if any John H. Jannotti

Residence 233 Massachusetts Avenue

Cambridge, Massachusetts 02139

Citizenship United States of America

Post Office Address Same as above[illegible]

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<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
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Full name of sole inventor or

first joint inventor Jame O'Toole

Inventor's Signature _____ Date _____

Residence 15 Munroe Street

Somerville, Massachusetts 02143

Citizenship United States of America

Post Office Address Same as above

inventor, if any John H. Jannotti

222 Massachusetts

Date 12/22/2000

Residence

233 Massachusetts Avenue

Cambridge, Massachusetts 02139

Citizenship

United States of America

Post Office Address

Same as above

1. The first group of students (Group A) was assigned to the traditional lecture-based learning method. They received a 10-minute lecture on the topic of "The Role of the Teacher in the Classroom."

2. The second group of students (Group B) was assigned to the interactive learning method. They participated in a 10-minute interactive activity where they discussed the role of the teacher in the classroom.

3. The third group of students (Group C) was assigned to the self-paced learning method. They watched a 10-minute video on the role of the teacher in the classroom.

4. The fourth group of students (Group D) was assigned to the collaborative learning method. They worked in small groups to discuss the role of the teacher in the classroom.

5. The fifth group of students (Group E) was assigned to the flipped classroom method. They watched a 10-minute video on the role of the teacher in the classroom before class.

6. The sixth group of students (Group F) was assigned to the blended learning method. They watched a 10-minute video on the role of the teacher in the classroom before class and then participated in a 10-minute interactive activity.

7. The seventh group of students (Group G) was assigned to the hybrid learning method. They watched a 10-minute video on the role of the teacher in the classroom before class and then participated in a 10-minute interactive activity.

8. The eighth group of students (Group H) was assigned to the flipped classroom method. They watched a 10-minute video on the role of the teacher in the classroom before class.

9. The ninth group of students (Group I) was assigned to the blended learning method. They watched a 10-minute video on the role of the teacher in the classroom before class and then participated in a 10-minute interactive activity.

10. The tenth group of students (Group J) was assigned to the hybrid learning method. They watched a 10-minute video on the role of the teacher in the classroom before class and then participated in a 10-minute interactive activity.